

FIG. 1  
PRIOR  
ART

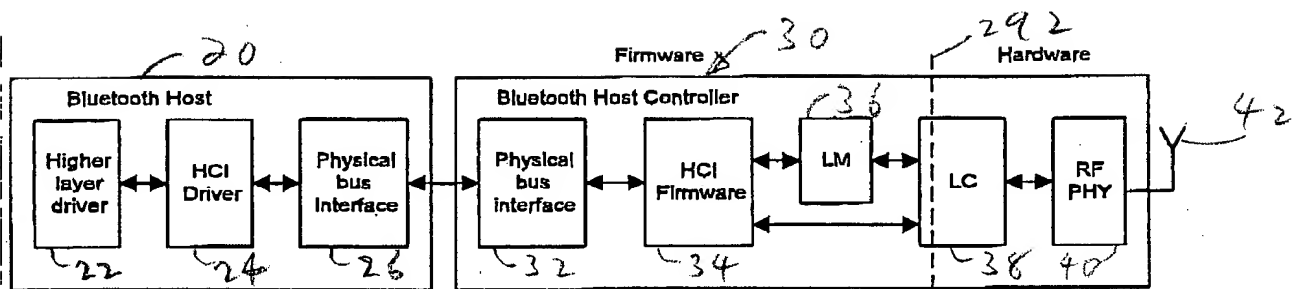


Figure : Typical partition between firmware and hardware

FIG. 13

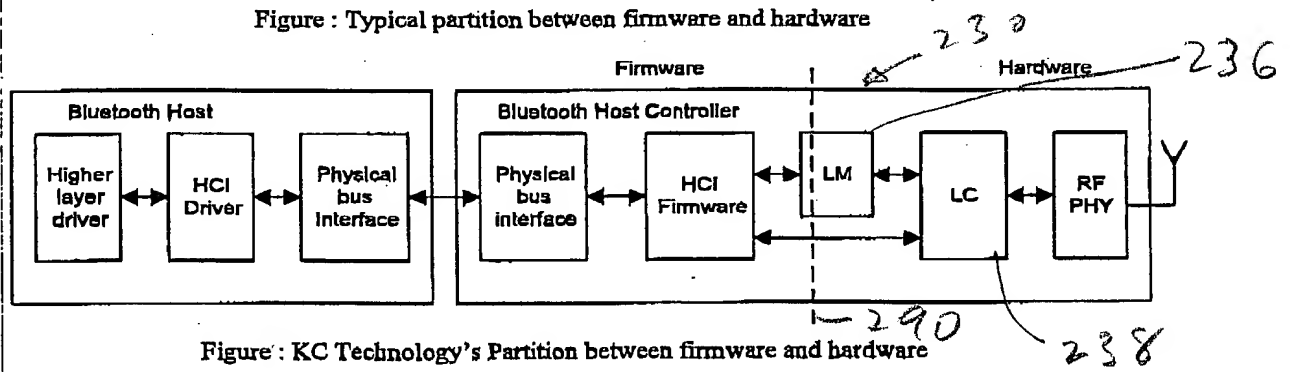


Figure : KC Technology's Partition between firmware and hardware

CONFIDENTIAL

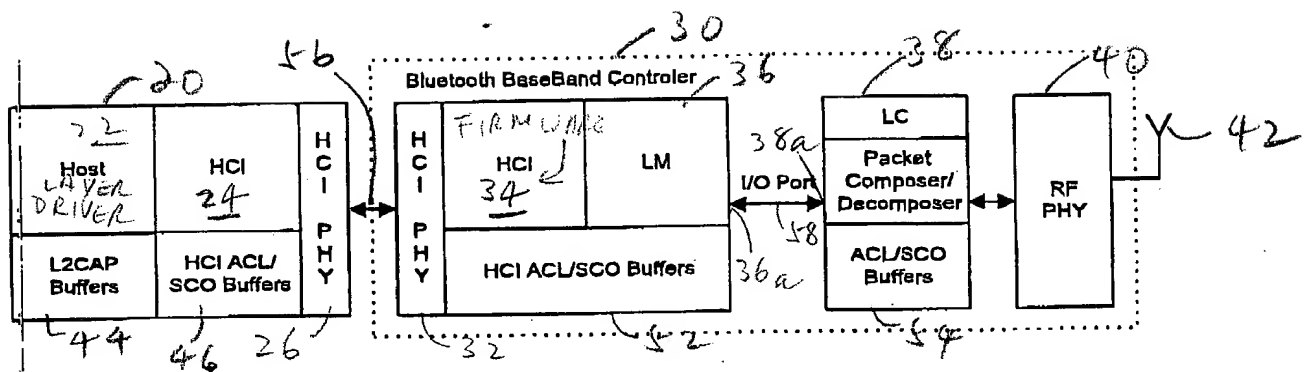


Figure : HCI ACL Data Packet

31	24	23	16	15	8	7	0
Data Total Length				BC	PB	Connection Handle	
...				Data byte 1		Data byte 0	

Figure : HCI SCO Data Packet

31	24	23	16	15	8	7	0
Data byte 0		Data Total Length		Reserved	Connection Handle		
		...		Data byte 1			

submarine

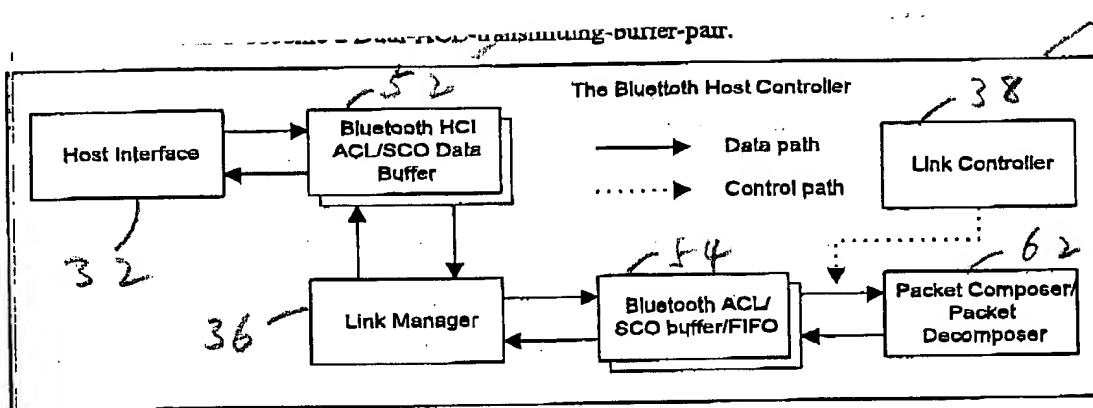


Figure : Data flow and Buffer scheme in the Bluetooth Host Controller

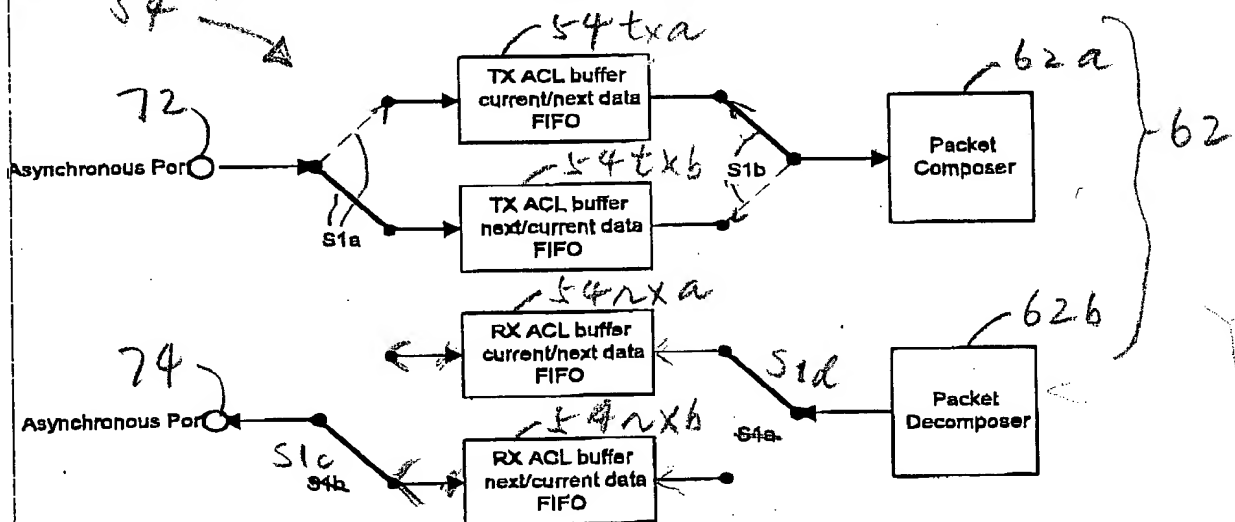


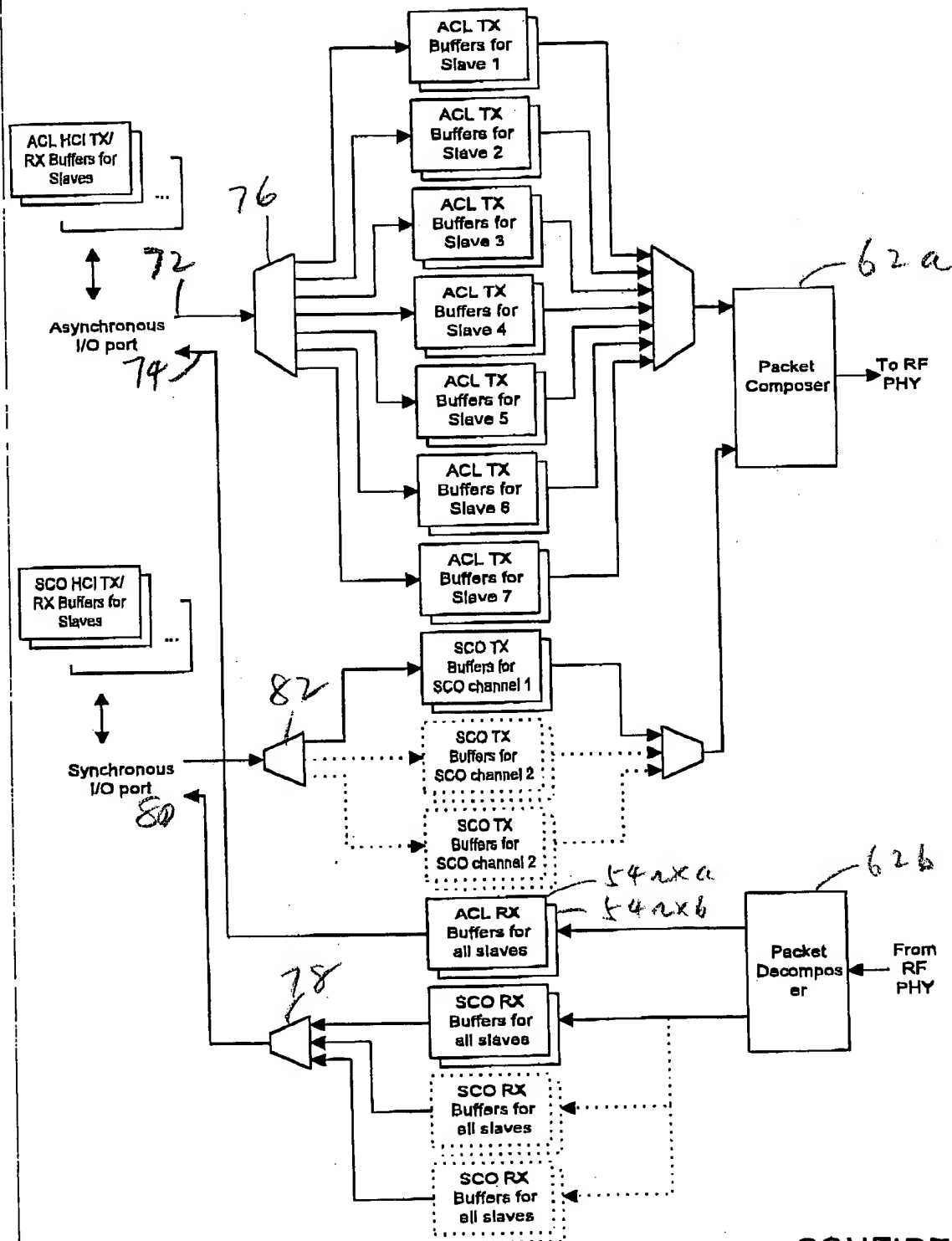
Figure : Dual buffer scheme for ACL packet transmission

CONFIDENTIAL

KC Technology Inc.

8/2/00

Confidential Information



CONFIDENTIAL

FIG. 5B

PRIOR ART

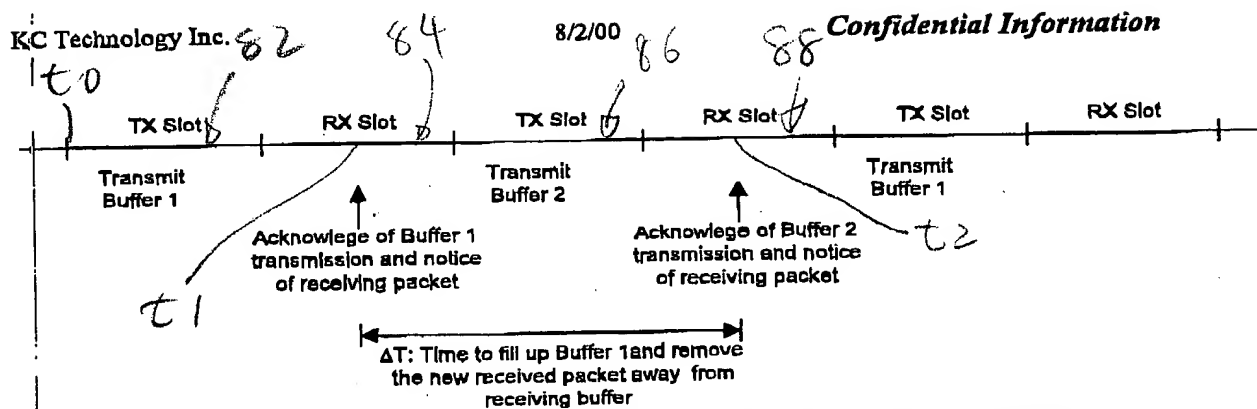


Figure : The worst case timing ( $\Delta T$ ) for the LM to load a TX buffer and unload a RX buffer

FIG.6  
PRIOR  
ART

00700005-444000

CONFIDENTIAL

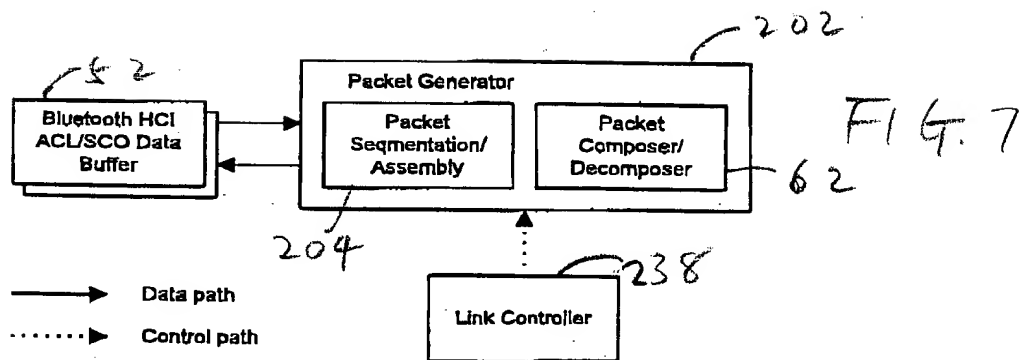


Figure : The Packet Generator accesses the HCI ACL/SCO buffers directly



Figure : Buffer Format for Transmitting ACL Packet

31	24	23	16	15	8	7	0
Flow	pkt type	Data Total Length			BC	PB	na
						...	Data byte 0
na	Previous Starting Pointer				na	Next Starting Pointer	

FIG. 9A

Figure : Buffer Format for Receiving ACL Packet

31	24	23	16	15	8	7	0
Flow	na	Data Total Length			BC	PB	na
						...	Data byte 0
					na		

FIG. 9B



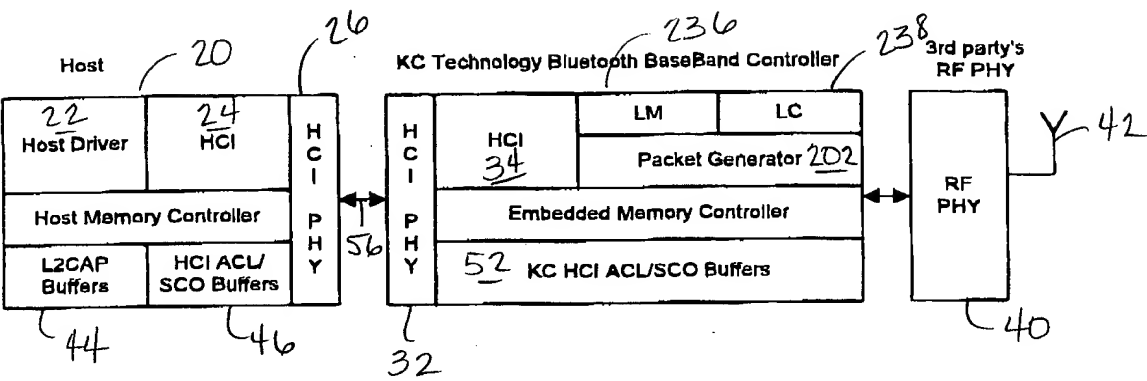


FIG. 10

00706605 444000

KC Technology Inc.

8/2/00

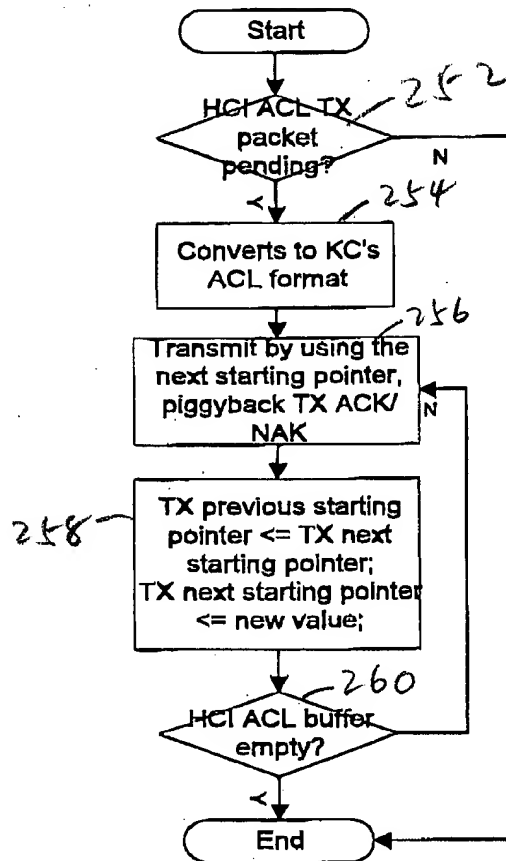
**Confidential Information**

Figure : ACL transmission control flow of KC Technology's partition

FIG. 11

**CONFIDENTIAL**

KC Technology Inc.

8/2/00

*Confidential Information*

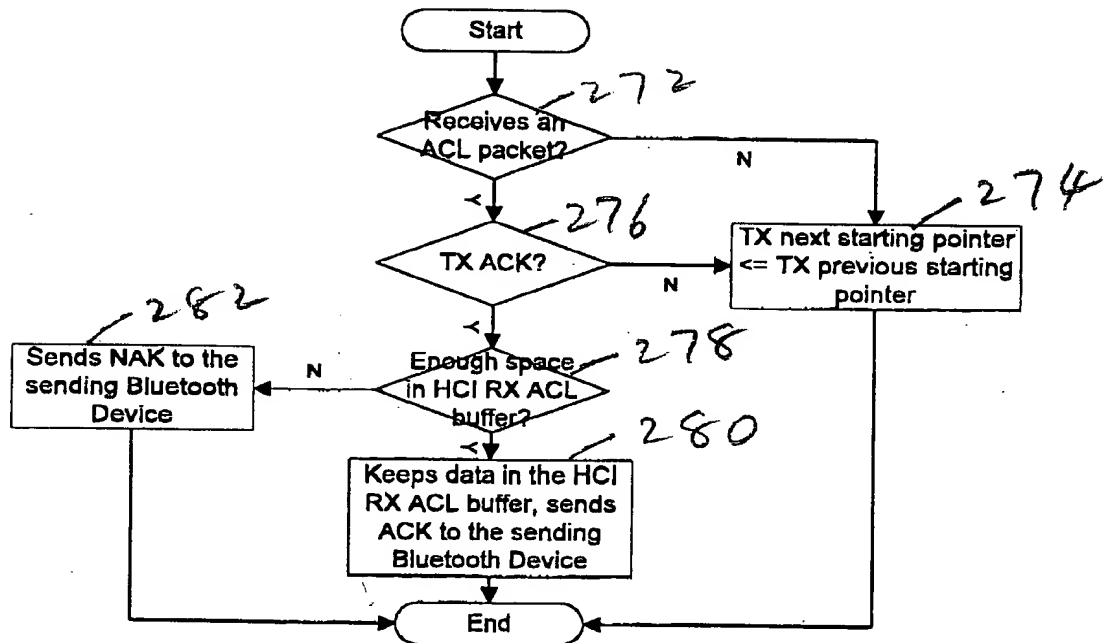
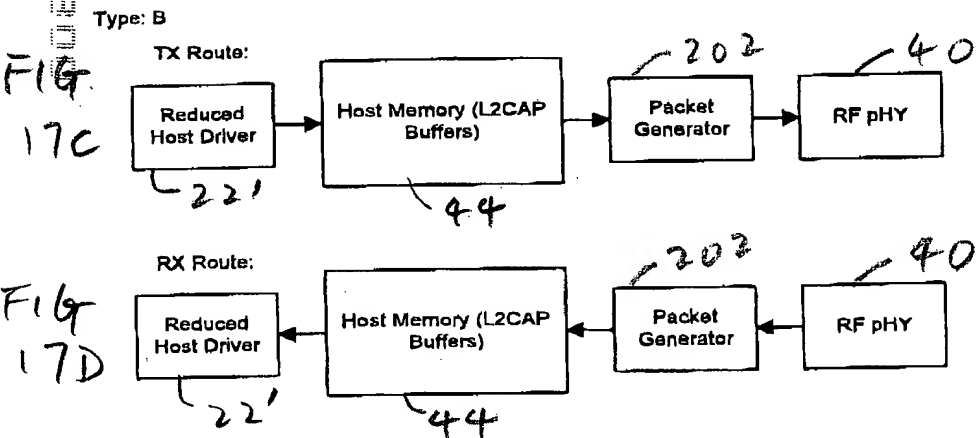
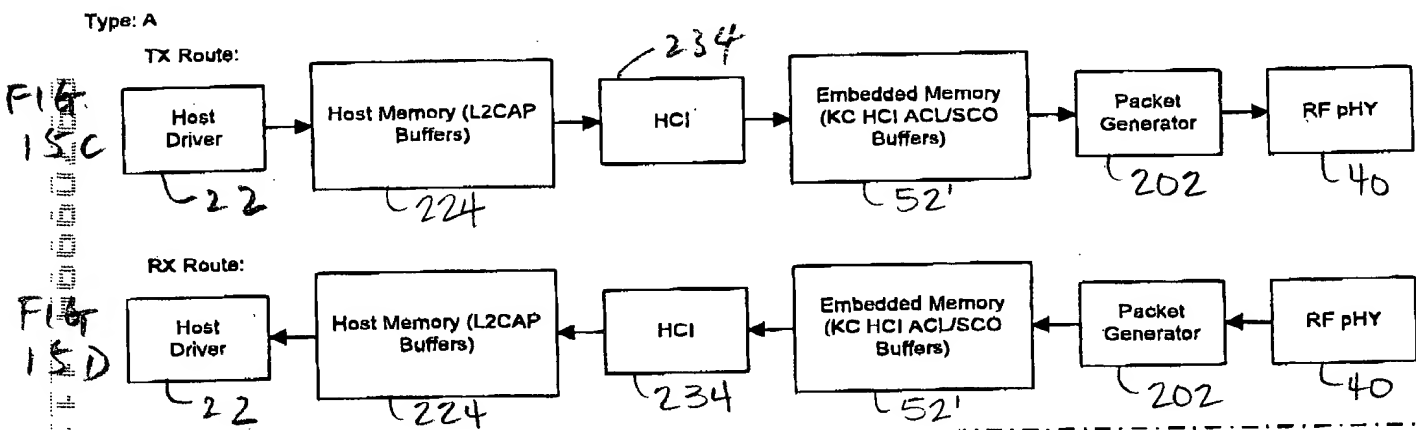
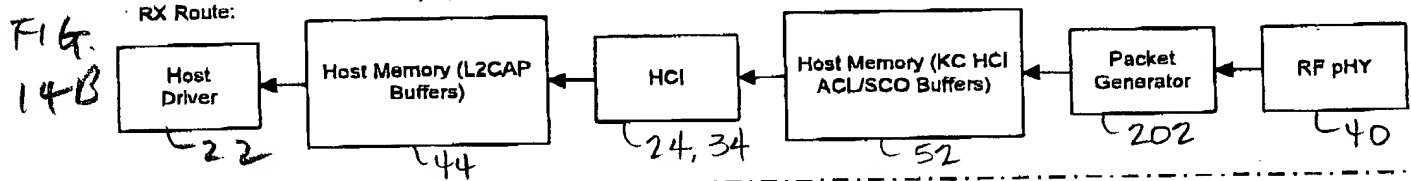
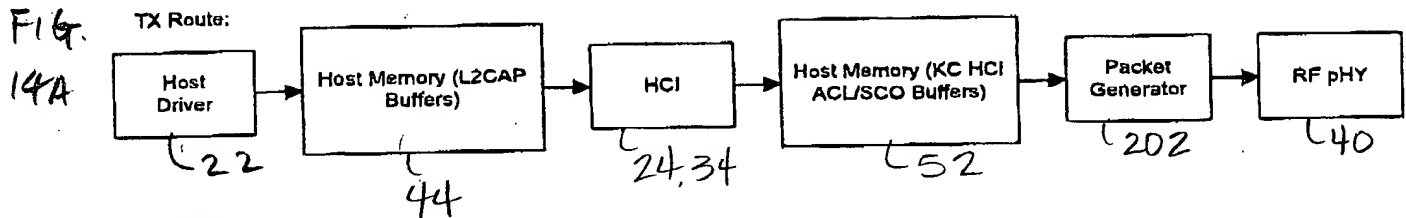


Figure : ACL receiving control flow of KC Technology's partition

Fig. 12



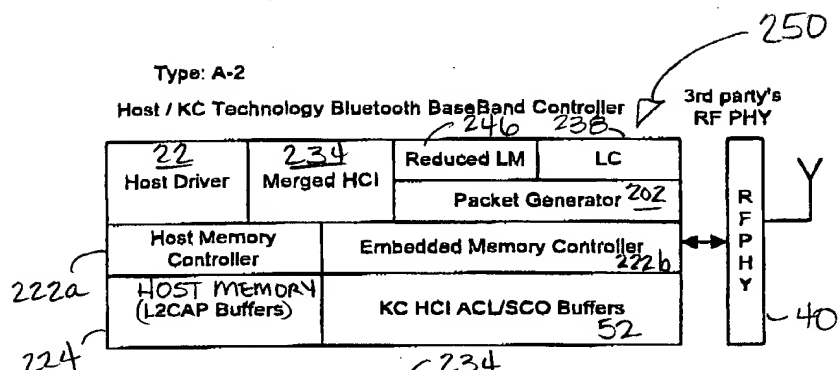


FIG.  
15A

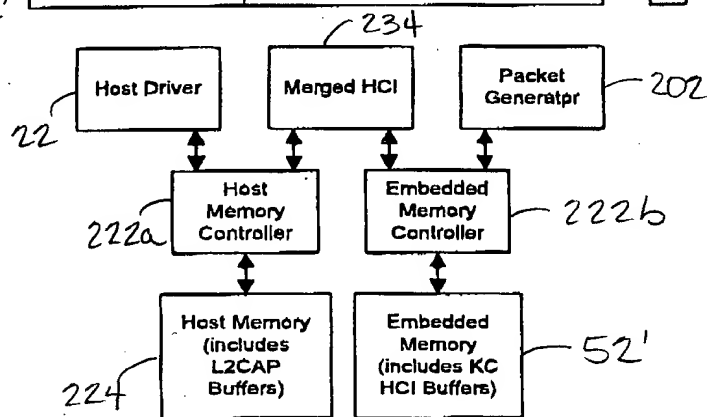


Fig. 15B

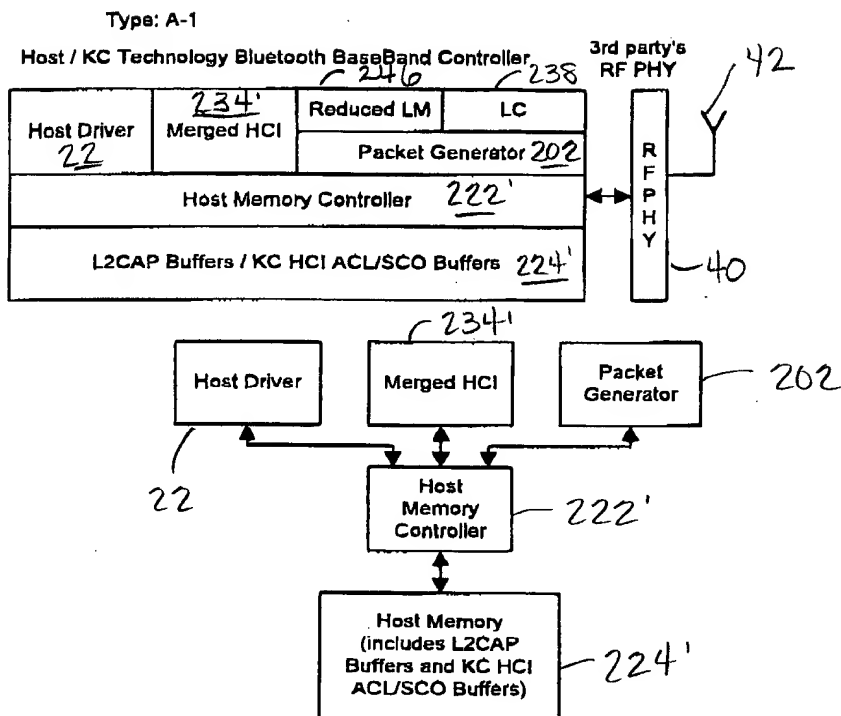


FIG. 16A

FIG. 16B

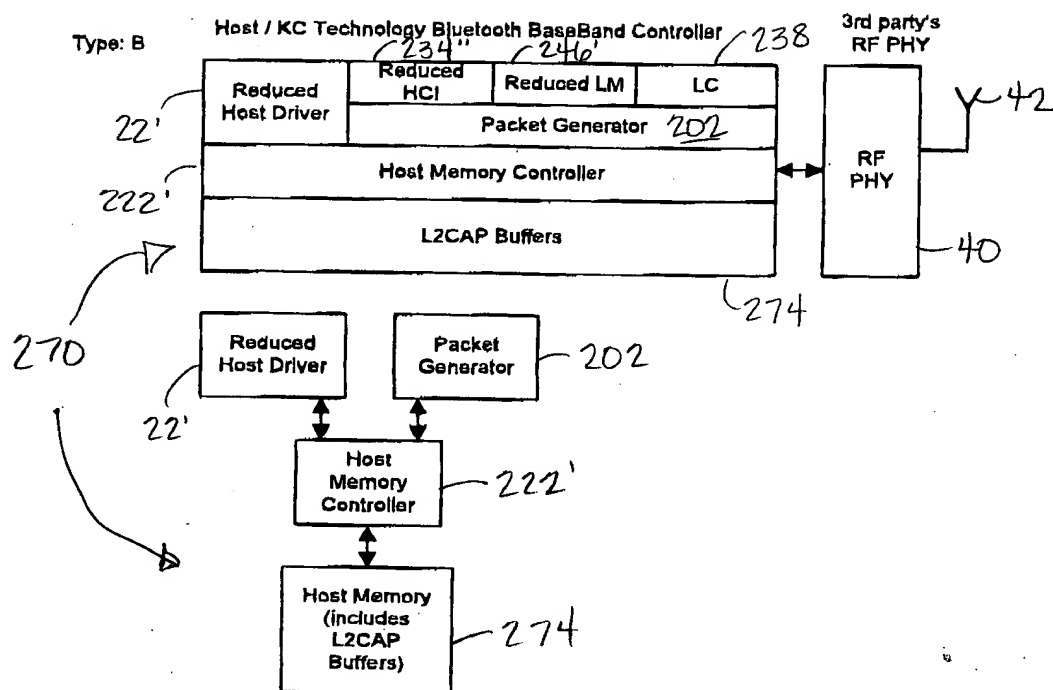


Fig. 17B

[illegible]

Fig  
17A